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OM protein - protein search, using sw model

Run on: February 16, 2005, 16:26:39 ; Search time 32.0033 Seconds
(without alignments)
2235.960 Million cell updates/sec

Title: US-10-003-356-2
Perfect score: 1138
Sequence: 1 MFERRKEQDEGPGIHEFLAF.....RVIASDKIQSKAVVKRIQHP 219

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1376875 seqs, 326749119 residues

Total number of hits satisfying chosen parameters: 1376875

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*

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20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1138	100.0	219	13	US-10-003-356-2
2	1138	100.0	755	15	US-10-292-798-450
3	1138	100.0	927	13	US-10-003-356-8
4	740	65.0	912	15	US-10-436-715-84
5	362	31.8	940	14	US-10-159-339-11
6	362	31.8	940	15	US-10-041-615-106
7	362	31.8	940	15	US-10-436-715-27
8	362	31.8	940	15	US-10-436-715-76
9	360	31.6	940	15	US-10-041-615-107
10	354	31.1	850	14	US-10-125-792-12
11	354	31.1	850	14	US-10-125-778-12
12	354	31.1	850	14	US-10-125-772-12
13	354	31.1	850	15	US-10-410-885-12

14	354	31.1	941	14	US-10-125-792-8	Sequence 8, Appli
15	354	31.1	941	14	US-10-125-792-10	Sequence 10, Appli
16	354	31.1	941	14	US-10-125-778-8	Sequence 8, Appli
17	354	31.1	941	14	US-10-125-778-10	Sequence 10, Appli
18	354	31.1	941	14	US-10-125-772-8	Sequence 8, Appli
19	354	31.1	941	14	US-10-125-772-10	Sequence 10, Appli
20	354	31.1	941	15	US-10-410-885-8	Sequence 8, Appli
21	354	31.1	941	15	US-10-410-885-10	Sequence 10, Appli
22	354	31.1	941	15	US-10-410-885-14	Sequence 14, Appli
23	353	31.0	867	15	US-10-179-373-19	Sequence 19, Appli
24	353	31.0	867	16	US-10-725-103-19	Sequence 19, Appli
25	353	31.0	867	16	US-10-725-489-19	Sequence 19, Appli
26	353	31.0	867	16	US-10-725-080A-19	Sequence 19, Appli
27	353	31.0	867	16	US-10-725-472A-19	Sequence 19, Appli
28	353	31.0	975	14	US-10-346-241-4	Sequence 2, Appli
29	353	31.0	1027	14	US-10-125-792-2	Sequence 2, Appli
30	353	31.0	1027	14	US-10-125-778-2	Sequence 2, Appli
31	353	31.0	1027	14	US-10-268-051-8	Sequence 8, Appli
32	353	31.0	1027	14	US-10-125-772-2	Sequence 2, Appli
33	353	31.0	1027	14	US-10-016-496-2	Sequence 2, Appli
34	353	31.0	1027	15	US-10-410-885-2	Sequence 2, Appli
35	353	31.0	1078	9	US-09-727-205-2	Sequence 2, Appli
36	353	31.0	1078	13	US-10-002-854-2	Sequence 2, Appli
37	353	31.0	1078	14	US-10-225-567A-118	Sequence 118, App
38	353	31.0	1078	14	US-10-159-339-8	Sequence 8, Appli
39	353	31.0	1078	15	US-10-436-715-22	Sequence 22, Appli
40	353	31.0	1078	15	US-10-436-715-74	Sequence 74, Appli
41	353	31.0	1078	15	US-10-416-588-3	Sequence 3, Appli
42	353	31.0	1078	16	US-10-408-765A-171	Sequence 171, App
43	353	31.0	1088	15	US-10-673-888-1	Sequence 1, Appli
44	353	31.0	1219	14	US-10-300-473-6	Sequence 6, Appli
45	352	30.9	1002	15	US-10-393-347-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-10-003-356-2

; Sequence 2, Application US/10003356

; Publication No. US20020146418A1

; GENERAL INFORMATION:

; APPLICANT: Lok, Si

; APPLICANT: Holloway, James L.

; TITLE OF INVENTION: Human V2 Vomeranasa Receptor

; FILE REFERENCE: 00-107

; CURRENT APPLICATION NUMBER: US/10/003,356

; CURRENT FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: 60/252,373

; PRIOR FILING DATE: 2000-11-21

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 219

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-003-356-2

Query Match	100.0%;	Score 1138;	DB 13;	Length 219;	
Best Local Similarity	100.0%;	Pred. No. 8.1e-120;			
Matches 219;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
Qy	1	MFERRKEQDEGPGIHEFLAF	LAFLWAE	LSEAKBEEKEERTCRL	LKCVDAENHSLVIGGLFP 60
Db	1	MFERRKEQDEGPGIHEFLAF	LAFLWAE	LSEAKBEEKEERTCRL	LKCVDAENHSLVIGGLFP 60
Qy	61	IDSRTIPANESILEPASAK	CEGFNFQFRFWKAMIHMIKE	INKRKDILPNITLGYQIFDT 120	
Db	61	IDSRTIPANESILEPASAK	CEGFNFQFRFWKAMIHMIKE	INKRKDILPNITLGYQIFDT 120	
Qy	121	CFTTISKSVAVLVTGQEN	RPNFRNSTGAPGIVGAGGS	FLSVPASRILGLYLPQV 180	
Db	121	CFTTISKSVAVLVTGQEN	RPNFRNSTGAPGIVGAGGS	FLSVPASRILGLYLPQV 180	

QY 181 GYTSTCVILSDKYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219
Db 181 GYTSTCVILSDKYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219

RESULT 2
US-10-292-798-450
; Sequence 450, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 450
; LENGTH: 755
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-450.

Query Match 100.0%; Score 1138; DB 15; Length 755;
Best Local Similarity 100.0%; Pred. No. 4.7e-119;
Matches 219; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MFERRKEQDEGPGIHEFLAFLWAELGSEAKEEKEERTCRLLGKCVDAENHSLVIGGLFP 60
Db 1 MFERRKEQDEGPGIHEFLAFLWAELGSEAKEEKEERTCRLLGKCVDAENHSLVIGGLFP 60

QY 61 IDSRTIPANESILEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNITLGYQIFDT 120
Db 61 IDSRTIPANESILEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNITLGYQIFDT 120

QY 121 CFTISKSVEAVLVFLTGQENRPNFRNSTGAPPAGIVGAGGSFLSVPASRILGLYLPQV 180
Db 121 CFTISKSVEAVLVFLTGQENRPNFRNSTGAPPAGIVGAGGSFLSVPASRILGLYLPQV 180

QY 181 GYTSTCVILSDKYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219
Db 181 GYTSTCVILSDKYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219

RESULT 3
US-10-003-356-8
; Sequence 8, Application US/10003356
; Publication No. US20020146418A1
; GENERAL INFORMATION:
; APPLICANT: Lock, Si
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Human V2 Vomeroneasal Receptor
; FILE REFERENCE: 00-107
; CURRENT APPLICATION NUMBER: US/10/003,356
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/252,373
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 927
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chimeric receptor.

US-10-003-356-8
Query Match 100.0%; Score 1138; DB 13; Length 927;
Best Local Similarity 100.0%; Pred. No. 6.4e-119;
Matches 219; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MFERRKEQDEGPGIHEFLAFLWAELGSEAKEEKEERTCRLLGKCVDAENHSLVIGGLFP 60
Db 1 MFERRKEQDEGPGIHEFLAFLWAELGSEAKEEKEERTCRLLGKCVDAENHSLVIGGLFP 60

QY 61 IDSRTIPANESILEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNITLGYQIFDT 120
Db 61 IDSRTIPANESILEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNITLGYQIFDT 120

QY 121 CFTISKSVEAVLVFLTGQENRPNFRNSTGAPPAGIVGAGGSFLSVPASRILGLYLPQV 180
Db 121 CFTISKSVEAVLVFLTGQENRPNFRNSTGAPPAGIVGAGGSFLSVPASRILGLYLPQV 180

QY 181 GYTSTCVILSDKYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219
Db 181 GYTSTCVILSDKYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219

RESULT 4
US-10-436-715-84
; Sequence 84, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
; FILE REFERENCE: D0262 NP
; CURRENT APPLICATION NUMBER: US/10/436,715
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: U.S. 60/380,336
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 84
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-436-715-84

Query Match 65.0%; Score 740; DB 15; Length 912;
Best Local Similarity 69.7%; Pred. No. 5.8e-74;
Matches 145; Conservative 25; Mismatches 30; Indels 8; Gaps 2;

QY 17 FLAFLWAELGSEAKEEKEERTCRLLGK-----CVDAENHSLVIGGLFPIDSRTPANES 71
Db 12 FLAFLWAVLGA---QNKTEEVQCRLMAKFNLSGYVDARKNLSLVIAGLFPPIHSRIIPVDEA 68

QY 72 ILEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNITLGYQIFDTCFTISKSVEAV 131
Db 69 ILEPVSPMCEGFNFRGFRWMKMTIHTIKEINERKDILPNHTLGYQIFDSCYTISKAMESS 128

QY 132 LVFLTGQENRPNFRNSTGAPPAGIVGAGGSFLSVPASRILGLYLPQVGYTSTCVILSD 191
Db 129 LVFLTGQEEFKPNFRNSTGSTLAALVSGSGSSLSVAASRILGLYMPQVGYTSSCSILSD 188

QY 192 KYQFPSPYLRLVIAADKIQSKAVVKRIQHF 219
Db 189 KFQFPSPYLRLPSDNLQSEAINLIKHF 216

RESULT 5
US-10-159-339-11
; Sequence 11, Application US/10159339
; Publication No. US20030166540A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
; OTHER INFORMATION: HGPBMY30

QY 167 PASRILGLYLPQVGYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 153 AVANLLSLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADVIEYF 205

RESULT 9
US-10-041-615-107
; Sequence 107, Application US/10041615
; Publication No. US20040014038A1
; GENERAL INFORMATION:
; APPLICANT: Casman, Stacie J
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Ellerman, Karen
; APPLICANT: Smithson, Glennnda
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Padigar, Muralidhara
; TITLE OF INVENTION: No. US20040014038A1el GPCR-Like Proteins and Nucleic Acids Encodi
; FILE REFERENCE: 21402-233-061
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 2001-01-03
; PRIOR FILING DATE: 2001-01-03
; PRIOR FILING DATE: 2001-01-09
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 107
; LENGTH: 940
; TYPE: PRT
; ORGANISM: Sparus aurata
US-10-041-615-107

Query Match 31.6%; Score 360; DB 15; Length 940;
Best Local Similarity 42.8%; Pred. No. 5.2e-31;
Matches 74; Conservative 36; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRITIPANESI-LEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILLGGLFPIHFGVASKDQDLAARPESSQCVRFNFRGRWLQAMIFAIEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTISKVSVEAVLVFLTGQE---ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDFFCNCCTDHPSTIAVVGASGSAVST 151

QY 167 PASRILGLYLPQVGYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIIEFF 204

RESULT 10
US-10-125-792-12
; Sequence 12, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT FILING DATE: 2002-08-16
; CURRENT FILING DATE: 2002-08-16
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12

; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-12

Query Match 31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRITIPANESI-LEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILLGGLFPMHFGVTSKDQDLAARPESTECVRYNFRGRWLQAMIFAIEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTISKVSVEAVLVFLTGQE---ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDFFCNCCTDHPSTIAVVGASGSAVST 151

QY 167 PASRILGLYLPQVGYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 11
US-10-125-778-12
; Sequence 12, Application US/10125778
; Publication No. US20030082574A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-005
; CURRENT FILING DATE: 2002-08-16
; CURRENT FILING DATE: 2002-08-16
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2002-04-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2001-10-11
; PRIOR FILING DATE: 2000-10-12
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-778-12

Query Match 31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRITIPANESI-LEPASAKCEGFNFQFRWMKAMIHMIKEINKRKDILPNI 111
Db 32 ILLGGLFPMHFGVTSKDQDLAARPESTECVRYNFRGRWLQAMIFAIEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTISKVSVEAVLVFLTGQE---ENRPNFRNSTGAPPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDFFCNCCTDHPSTIAVVGASGSAVST 151

QY 167 PASRILGLYLPQVGYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQYKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 12
US-10-125-772-12


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; Sequence 12, Application US/10125772
; Publication No. US20030124657A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-006
; CURRENT APPLICATION NUMBER: US/10/125,772
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-772-12

Query Match      31.1%; Score 354; DB 14; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFQFRWMKAMIHMIKBNKRKDIPLNI 111
Db 32 ILLGGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIEEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTTISKSVEAVLVLTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDFCNCCTDHIPSTIAVVGASGSAVST 151

QY 167 PASRIILGLYLPQVGTYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQFKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 13
US-10-410-885-12
; Sequence 12, Application US/10410885
; Publication No. US20030232366A1
; GENERAL INFORMATION:
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-008
; CURRENT APPLICATION NUMBER: US/10/410,885
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: 10/125,778
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: 10/125,772
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: 10/125,792
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
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; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-410-885-12

Query Match      31.1%; Score 354; DB 15; Length 850;
Best Local Similarity 41.6%; Pred. No. 2.2e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFQFRWMKAMIHMIKBNKRKDIPLNI 111
Db 32 ILLGGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIEEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTTISKSVEAVLVLTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDFCNCCTDHIPSTIAVVGASGSAVST 151

QY 167 PASRIILGLYLPQVGTYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQFKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 14
US-10-125-792-8
; Sequence 8, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-8

Query Match      31.1%; Score 354; DB 14; Length 941;
Best Local Similarity 41.6%; Pred. No. 2.5e-30;
Matches 72; Conservative 38; Mismatches 57; Indels 6; Gaps 3;

QY 53 LVIGGLFPIDSRTPANESI-LEPASAKCEGFNFQFRWMKAMIHMIKBNKRKDIPLNI 111
Db 32 ILLGGLFPMHFGVTSKDQDLAARPESTECVRYNFRGFRWLQAMIFAIEEINNSSTLLPNI 91

QY 112 TLGYQIFDTCFTTISKSVEAVLVLTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166
Db 92 TLGYRIFDTCNTVSKALEATLSFVAQNKIDSLNLDFCNCCTDHIPSTIAVVGASGSAVST 151

QY 167 PASRIILGLYLPQVGTYTSTCVILSDKYQFPSPYLRLVIASDKIQSKAVVKRIQHF 219
Db 152 AVANLLGLFYIPQISYASSRLLSNKNQFKSFMRPTIPTDEHQATAMADIIDYF 204

RESULT 15
US-10-125-792-10
; Sequence 10, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
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; PRIOR APPLICATION NUMBER: 60/240,003
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-10

Query Match	31.11%	Score 354;	DB 14;	Length 941;
Best Local Similarity	41.61%	Pred. No. 2.5e-30;		
Matches	72;	Conservative 38;	Mismatches 57;	Indels 6;
				Gaps 3;

QY	53	LVIGGLFPIDSR	IPANESI-LEPASAKCEGFNFQFRWMKAMHMIKEINKRKDILPNI	111
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QY	112	TLGYQIFDTCFT	ISKSVKAVLFLTGQE---ENRPNFRNSTGAFFA--GIVGAGGSFLSV	166
Db	92	TLGYRIFDTCNT	VTSKALEATLSFVAQNKIDSLNDEFNCCTDHIPSTIAVVGASGSAVST	151
QY	167	PASRILGLYYLP	QVGYTSTCVILSDKYQFPSYLRVIA SDKIQSKAVVKRIQHF	219
Db	152	AVANLLGLFYIP	QISYASSRLLSNKNQPKSFMRPTPTDEHQATAMADIIDYF	204

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Job time : 33.0033 secs